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Model #: SU10KRT3/1X

SmartOnline 10kVA On-Line, Double-Conversion UPS, 6U Rack/Tower, 3-Phase input, 1-Phase output

Highlights

- 10,000VA (10kVA) SmartOnline 6U rack/tower UPS
- 3 phase, 4-Wire + Ground, Wye input (200/346, 220/380, 230/400, 240/415VAC)
- Single phase, 2-Wire + Ground hardwire output (200, 220, 230, 240VAC)
- Supports scalable and redundant configurations with parallel connection of up to 4 SU10KRT3/1X systems
- RS232, EPO and SNMP communications ports included

Description

Tripp Lite's SmartOnline Rack/Tower On-Line 10kVA UPS System with Parallel Redundancy capability provides long-lasting battery backup for data centers, telecommunications, networks, industrial facilities, security, emergency systems and other critical applications that require high capacity, high availability and extended runtime. True on-line operation continuously transforms 3-phase input power into precision-regulated single-phase output to guarantee maximum equipment protection and stability. Supports parallel connection of up to four SU10KRT3/1X systems for scalable capacity to 40kVA and fault tolerant redundant UPS configurations. Accepts 3 phase 50/60Hz input at 200/346, 220/380, 230/400 or 240/415VAC and transforms output to single phase 200, 220, 230 or 240VAC. 3:1 crest factor offers support for non-linear and unbalanced output loading. Highly efficient operation in optional economy mode setting, saving BTU heat output and energy costs. Hardwire input and output connections support flexible electrical installation. Supports extended runtime operation with optional BP240V10RT3U rack/tower external battery packs (1 included). Three built-in communications ports support remote management and auto shutdown via RS232 or pre-installed SNMP network Ethernet connection. Auto-shutdown software included. Built-in Emergency Power Off (EPO) interface supports optional remote emergency shutdown. Front panel combination LCD/LED display with scroll and select buttons offer information on UPS status and site conditions, plus support for user-configurable options. SU10KRT3/1X bundle includes 3U power module and 3U external battery pack for 6U installation in 4 post racks or upright tower configuration with included mounting accessories.

Package Includes

- SU10KRT3/1XPM power module with battery pack connection cable and rack/tower mounting accessories
- 3U external battery pack with rack/tower mounting accessories
- Auto-shutdown and monitoring software
- Parallel connection kit
- Instruction manuals

Features

- 10,000VA (10kVA) / 7,000 watt (7kW) online, double-conversion rack / tower UPS system
- Continuously transforms 3 phase input to precision single phase output with 2% output voltage regulation and less than 3% total harmonic distortion
- 14 minutes runtime at 50% load (5,000VA / 3,500 watts)
- 5 minutes runtime at 100% load (10,000VA / 7,000 watts)
- Battery runtime is expandable with optional 3U BP240V10RT3U external battery packs
- 3U UPS power module and 3U external battery pack support tower or rackmount installation in 4 post racks using included mounting accessories
- Supports parallel connection of up to 4 SU10KRT3/1X systems for scalable capacity of 20, 30 or 40kVA
- Parallel connection of multiple SU10KRT3/1X systems can also support fault-tolerant, dual-UPS configurations
- 3 phase, 4-Wire + Ground, Wye input (200/346,220/380,230/400,240/415VAC, 50/60Hz)
- Single phase, 2-Wire + Ground hardwire output (200,220,230,240VAC, 50/60Hz)
- Hardwire input and output connections

- Highly efficient operation in optional economy mode reduces energy consumption, operating costs and BTU heat output
- Built-in RS232, EPO and SNMP communications interfaces included
- Front panel LCD and LED displays offer detailed UPS status and site condition monitoring, plus user configuration options

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	10000
Output kVA capacity (kVA)	10
Output Watt Capacity (watts)	7000
Output kW capacity	7
Output power factor	0.7
Crest Factor	3:1
Nominal Output Voltage(s) Supported	200V; 220V; 230V; 240V
Nominal Voltage details	Voltage selection via front panel LCD interface
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	+/- 2%
Output voltage regulation (Battery mode)	+/- 2%
Built-in UPS output receptacles	Hardwire
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	50A
Nominal Input Voltage(s) Supported	220/380 - 230/400 - 240/415V AC 3 phase wye
Nominal input voltage description	Also supports 200/346V input (AC 3 phase wye)
UPS input connection type	Hardwire
UPS input connection description	3 phase, 4-Wire + Ground, Wye input (200/346,220/380,230/400,240/415VAC),
BATTERY	
Full load runtime (minutes)	5 min. (7000w)
Half load runtime (minutes)	14 min. (3500w)

Expandable battery runtime	Supports extended runtime with optional external battery packs
External battery pack compatibility	BP240V10RT3U
Expandable runtime description	Runtime is expandable using external battery packs
DC system voltage (VDC)	240
Battery recharge rate (included batteries)	5 hours to 80%
Battery replacement description	Hot-swappable, replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Online, double-conversion power conditioning
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 485 (3-Phase, 4-Wire plus ground, wye), reducing output within 2% of nominal
Undervoltage correction	Maintains continuous operation without using battery power during undervoltages to 305 (3-Phase, 4-Wire plus ground, wye), increasing output within 2% of nominal
LEDS ALARMS & SWITCHES	
LED Indicators	Combination LCD / LED screen offers offers complete status information
Front panel LCD display	Selectable LCD screen
Alarms	Audible alarms for power failure, battery low, bypass and system fault
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
Switches	Power, self test, alarm cancel, LCD scroll and select switches
SURGE / NOISE SUPPRESSION	
EMI / RFI AC noise suppression	Yes
AC suppression joule rating	1980
AC suppression response time	Instantaneous
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included); Tower
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	5.3 x 17.3 x 26.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	13.5 x 43.9 x 68.1
Installed whole system maximum rack depth (inches)	26.8

Installed whole system maximum rack depth (cm)	68.1
Secondary form factor	Tower
UPS / Power Module weight (lbs)	61.7
UPS / Power Module weight (kg)	28
Included battery pack dimensions (height x width x depth / inches)	5.3 x 17.3 x 26.8
Included battery pack dimensions (height x width x depth / cm)	13.5 x 43.9 x 68.1
Included battery pack weight (lbs)	143.5
Included battery pack weight (kg)	65.1
UPS Shipping dimensions (height x width x depth / inches)	46.5 x 22.3 x 33.1
UPS Shipping dimensions (height x width x depth / cm)	118.1 x 56.6 x 84.1
Shipping weight (lbs)	218.5
Shipping weight (kg)	99.2
UPS housing material	Steel
Cooling method	Fan
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	1800
Battery mode BTU / hr. (full load)	1800
Audible Noise	< 50dba @ 1m
COMMUNICATIONS	
Communications interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network monitoring port description	SNMP card is pre-installed
Communications cable	DB9 cabling included

Software and cabling included	Monitoring and auto-shutdown software included
LINE / BATTERY TRANSFER	
Transfer time	No transfer time (0 ms.) in online, double-conversion mode
Low voltage transfer to battery power (setpoint)	305
High voltage transfer to battery power (setpoint)	485
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Automatic inverter bypass; Hot swappable batteries
Green & high efficiency features	High efficiency economy mode operation
CERTIFICATIONS	
UPS Certifications	Tested to CE (EU)
UPS Certification details	Tested to CE EN62040-2, EN61000-4-5
WARRANTY	
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Related Model	Description	Qty.
BP240V10RT3U	External Battery Pack and Cable. 3U, Expandable, Black 3-Point Connector	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?variables.txtModelID=4267.

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